

## AMENDMENT TO THE SPECIFICATION

Please replace the paragraph starting at page 13, line 9 with the following:

*Boolean SUCCESS; //variable definition*

*Horizontal scan to get P1, P2*

*Vertical ~~scan~~ scan to get Q1, Q2*

*Calculate the circle parameters,  $x_0$ ,  $y_0$ ,  $\gamma_1$  and  $\gamma_2$*

*If ( $\gamma_1 \neq \gamma_2$ ) Then*

*Do{*

*Choose three points of P1, P2, Q1, and Q2*

*To calculate the circle parameter*

*Calculate the fourth edge point*

*If(the calculated edge point is a real edge point of circle) Then*

*SUCCESS=TRUE;*

*Exit*

*}While(SUCCESS=FALSE)Or(not all points are checked)*